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	Brookhave National Sy		Number: LS-PPS-0007	Revision:			
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Sub	ject: X17 Transport Hu	<u>ıtch</u> Radiological Inter	lock Test		•		
	pared/ M. Buckley roved By:	Approved By: S. Bud	a	Revision/Periodic Review Log			
			*	Approval signatures on	file with master copy.		
Tes	st Reason:		Test Result:	□ Passed	□ Failed		
			Test Type:	□ Full	☐ Partial		
	st Date:		Start Time:	Finish	Time:		
	ster 1:		Assistant 1:				
Tes	ster 2:		Assistant 2:	2:			
	rify that vacuum valves and able X-17B1 and X17C. Search the transport butc		ned on X1/B a	na 17C.			
1.	Search the transport hutc	The overhead lig	light comes on m sounds for 13	3 to 15 seconds m	inimum		
2.	Open hutch door	The hutch interle	ock sign goes o	ut			
3.	Press CS-1, close hutch of		ghts come on in	not more than 20			
	Press CS-E.	Interlock does no	ot activate				
4.	door, press CS-E again.	on, close door, press CS-E (This must all be done in I Interlock does no	ess than the tim				
5.	X17B Put X-17B1 in white moon one person remains insid		•		•		
				light at the X17B of the warning in			

					<u>ı</u> Radiologi			x Test		
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6.	The	person inside pres	sses an Emei	rgency S	top Button.					
		P F						ES1	ES2	ES3
					ole" light goe					
					ansport hutc					
		The l turne		not be re	eset unless th	ne S	OR key is			
7.	on t		ches. Search							
	Ren	nove holder from s	witch 2B.	RIR late	ch light com	ല വ	n			
				KID Iak	on fight com	cs o	11			-
8.	Rep	lace holder on swi	tch 2B.							
				RIB can	not be reset	unl	ess SOR ke	ey is turned	d.	
9.	Ren	nove holder on swi	itch 1.							
				STRESS	shutter clos	es				
]	BLISS sl	nutter closes					-
]	RIA latel	h light come	s on	1			_
					utch interloc					
]	RIA can'	t be reset w/	o S	OR			
10.	Rej	place holder on sw		Transpor	n and leave S t Hutch Kirk ess button is	k ke	y (KKH) c			m
11.	Ор	en STRESS & BL	ISS.							
	- 1			KKH car	nnot be remo	ved	l even if bu	tton is pus	hed	
12.	but sw	ose shutters. Turn ton and turn key ju titch. Release the b nove KKH, and re	ust beyond to outton and le place.	his point eave key RIA latcl	, but not far	eno ion. s on	ough to actu Open STF	ate "key r	emoved"	e
					-	S OII	<u>l</u>			-
					ESS closes SS closes					
				1110 DD1)	35 010303					
13.	Re	set RIA and RIB.	Open safety	shutter,	and press ar	n en	nergency st	op button.		
					h light come					
					n light come					
]	Hutch in	terlock drops	s ou	t			
Re	set F	RIA, RIB and ES								

	X17 Transp	ort Hutch R		Interlock	Test		
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14.	Search transport hutch. Switch (mono) position. Open STRES door switch 2B. Replace holder on switch 2B a Reset RIA, RIB and ES	SS (BLISS sta RIB latch li nd release swi	ys closed). Fight comes on itch 1. ght comes on	Remove hold			
	Reset RIA, RID and ES						
15.	X <u>17C</u> Search X-17C hutch, and satist	The Safety	her interlocks Shutter "enab n until the end	ole" light at t	the X17C h	nutch does	
16.	Press an Emergency Stop Butte	on in the trans	sport hutch.		ES1	ES2	ES3
	The ES	7C shutter "en indicator com latch cannot burned	es on				
17.	Search transport hutch, put doo Remove holder from switch 20	Z	, open X-17C		ters.		
18.	Replace holder on switch 2C.	RIB cannot And then re	be reset unle	ss SOR key	is turned		
19.	Remove holder on switch 1.	Hutch inter	er closes ght comes on lock drops ou e reset w/o So	ıt			
20.	Replace holder on switch 1. Se	Transport H	t hutch and lo lutch Kirk ke button is pus	y (KKH) car		noved from	n
21.	Open safety shutter.	KKH canno	ot be removed	l even if but	ton is push	ed	
22.	Close shutter. Turn transport I and turn key just beyond this p the button and leave key in this	oint, but not f s position. Op RIA latch li RIB latch li	ar enough to	actuate "key utters, remov n	removed"	switch. R	Release

X17 Transport Hutch Radiological Interlock Test						
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	eset RIA and RIB. So	RIA RII X1	A latch li 3 latch li	fety shutter and ght comes on ght comes on S & STRESS		ergency stop button.
cl R	earch transport hutch. osed. emove holder from tra eplace holder on swit	ansport hutch RII ch 2C and re	n door sw 3 latch li lease swi	vitch 2C. ght comes on		enoid. BLISS remains
cl O	lose X17C STRESS. osed until the X17C S pen X17C BLISS and eplace holder on swit	STRESS rem I release swit RII ch 2C and re RIA	ains clos ch 2. 3 latch li lease swi	ed when oper ght comes on itch 1. ght comes on	n button is pres	
	emove the holders fro ck. Stand inside the l	hutch and op All	en and cl three do	ose the door.	perate freely a	the latch device from the nd each

* * *